

### Abstract of the Disclosure

Alternative designs, materials and manufacturing methods for medical devices. Some embodiments disclosed deal with attachment of an elongated structure, such as a wire or ribbon, or a tubular member, such as a coil, to an elongated member in an elongated device. For example, an elongated core member having defining an outer surface, and an elongated structure including a first portion and a second expanded portion along the length thereof can be provided. An attachment member, such as a centering ring, or the like, is disposed about a portion of the elongated core member and a part of the first portion of the elongated structure. The attachment member defines a lumen and having an inner surface. Part of the first portion of the elongated structure is disposed between the inner surface of the attachment member and the outer surface of the elongated core member. A part of the second portion of the elongated structure is in mechanical engagement with the inner surface of the attachment member and the outer surface the elongated core member to provide a mechanical coupling of the elongated structure between the attachment member and the elongated core member. Some embodiments provide a method of making such a construction, wherein the elongated structure can be moved relative to the attachment member such that the second portion of the elongated structure engages the inner surface of the attachment member and the outer surface the elongated core member to mechanically couple the elongated structure to the elongated core member.